

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/FR 03/03358

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C21D1/19 C22C38/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C21D C22C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 739 993 A (CREUSOT LOIRE) 30 October 1996 (1996-10-30) cited in the application	
A	EP 0 527 276 A (NIPPON KOKAN KK) 17 February 1993 (1993-02-17)	
A	US 5 595 614 A (MCVICKER JOSEPH E) 21 January 1997 (1997-01-21)	
A	US 4 170 497 A (RAO BANGARU V N ET AL) 9 October 1979 (1979-10-09)	
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

22 April 2004

Date of mailing of the international search report

03/05/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>PATENT ABSTRACTS OF JAPAN vol. 1998, no. 01, 30 January 1998 (1998-01-30) & JP 09 249935 A (SUMITOMO METAL IND LTD), 22 September 1997 (1997-09-22) abstract</p>	

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Information on patent family members

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